James W. Sinclair

Title: A CALCULATION ENGINE FOR USE IN OLAP

ENVIRONMENTS

Attorney/Agent:

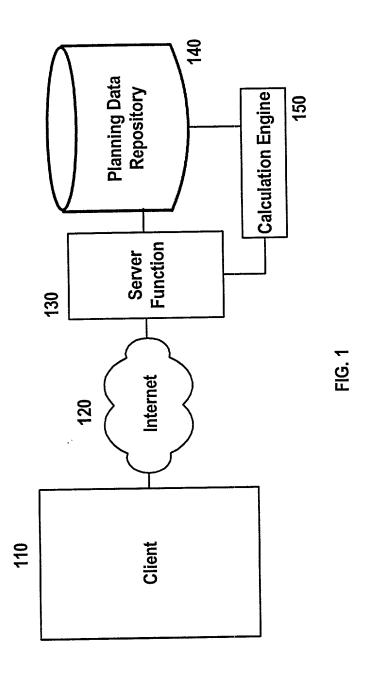
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Docket No.: 1028-004US01

Sheet 1 of 5



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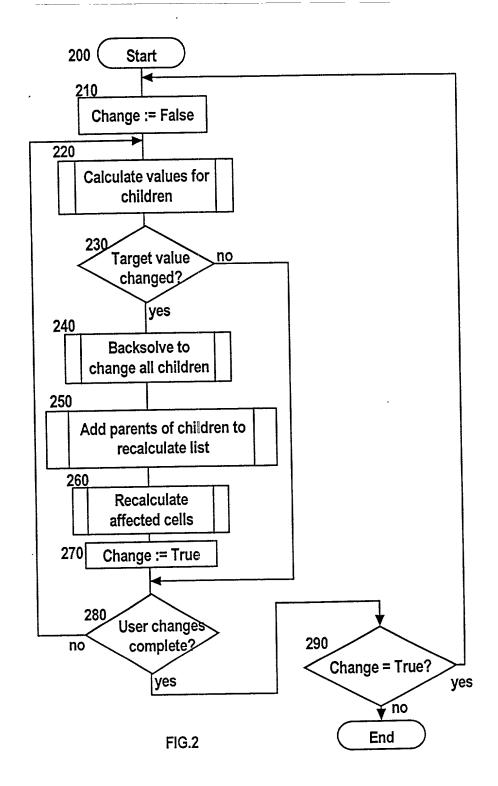
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		301	302	303	304	305
		8	. 20	ొ	8	Annual
310	310 Quantity	Locked	Back-solved Value	Back-solved Value	Back-solved Value	Calculated Value R2
		320	321	322	323	324
311	311 Price	Locked 330	Locked 331	Locked 332	Back-solved Value 333	Calculated Value R4 334
312	312 Sales (= Price * Quantity)	Calculated Calc Value Yalu R3 340 R3	Calculated Value R3 341	Calculated Value R3 342	Calculated Value 342 R3 343	User estimate R1 344

R1: Annual Sales=Q1 sales + Q2 Sales + Q3 Sales + Q4 Sales

R2: Annual Quantity sold= Q1 Quantity + Q2 Quantity + Q3 Quantity + Q4 Quantity R3: Quarterly Sales = Quarterly Quantity * Quarterly Price R4: Assumed Price = Annual Sales/Annual Quantity.

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	400	401
	Parent	Children
410	Annual forecast - Sales	Annual - Quantity, Annual - Price.
411	Annual forecast - Quantity	Q1 - Quantity, Q2 - Quantity, Q3 - Quantity, Q4 - Quantity. 431
412	Annual forecast - Revenue	Q1 - Sales, Q2 - Sales, Q3 - Sales, Q4 - Sales.
413	Q1 - Sales	Q1 - Quantity, Q1 - Price.
414	Q2 - Sales 4	Q2 - Quantity, Q2 - Price. 433
415	Q3 - Sales	Q3 - Quantity, Q3 - Price.
416	Q4 - Sales	Q4 - Quantity, Q4 - Price.

FIG 4

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		200	502	504	506	508
		۵ ۲	05	Q3	Q4	Year
1	Canada	2.0	2.0	2.0 513	2.0 514	8.0 515
	SN	2.0	2.0	2.0	2.0 524	8.0 525
	North America	4.0	4.0	4.0	4.0	16.0
		531	532	533	534	535